

PROJECT DESCRIPTION

I. GENERAL:

THIS PORTION OF THE PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 7 AND SELING AVENUE IN BALTIMORE COUNTY.

MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION WILL OPERATE IN A NEMA TWO-PHASE, FULL-ACTUATED MODE.

MD 7 APPROACHES SHALL OPERATE CONCURRENTLY. SELING AVENUE SHALL OPERATE ALONE. VIDEO CAMERA AND PROBES SHALL PROVIDE DETECTION.

EQUIPMENT LIST "A"

QUANTITY	DESCRIPTION
1 EA	NEMA EIGHT PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH VIDEO DETECTION UNIT, 1- FOUR CHANNEL RACK MOUNTED AMPLIFIER AND ALL NECESSARY EQUIPMENT.
16 SF	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: 2 EA D-3(2) (16" X VAR.) MAST ARM MOUNT 1 EA R 10-11b (24"x24")

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: 410-321-2781/2885

MR. DAVID CREIGHTON
ASSISTANT DISTRICT ENGINEER-CONSTRUCTION
410-321-2821

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER-MAINTENANCE
410-321-2761

MR. MIKE PAQUARILLO
DISTRICT UTILITY ENGINEER
410-321-2841

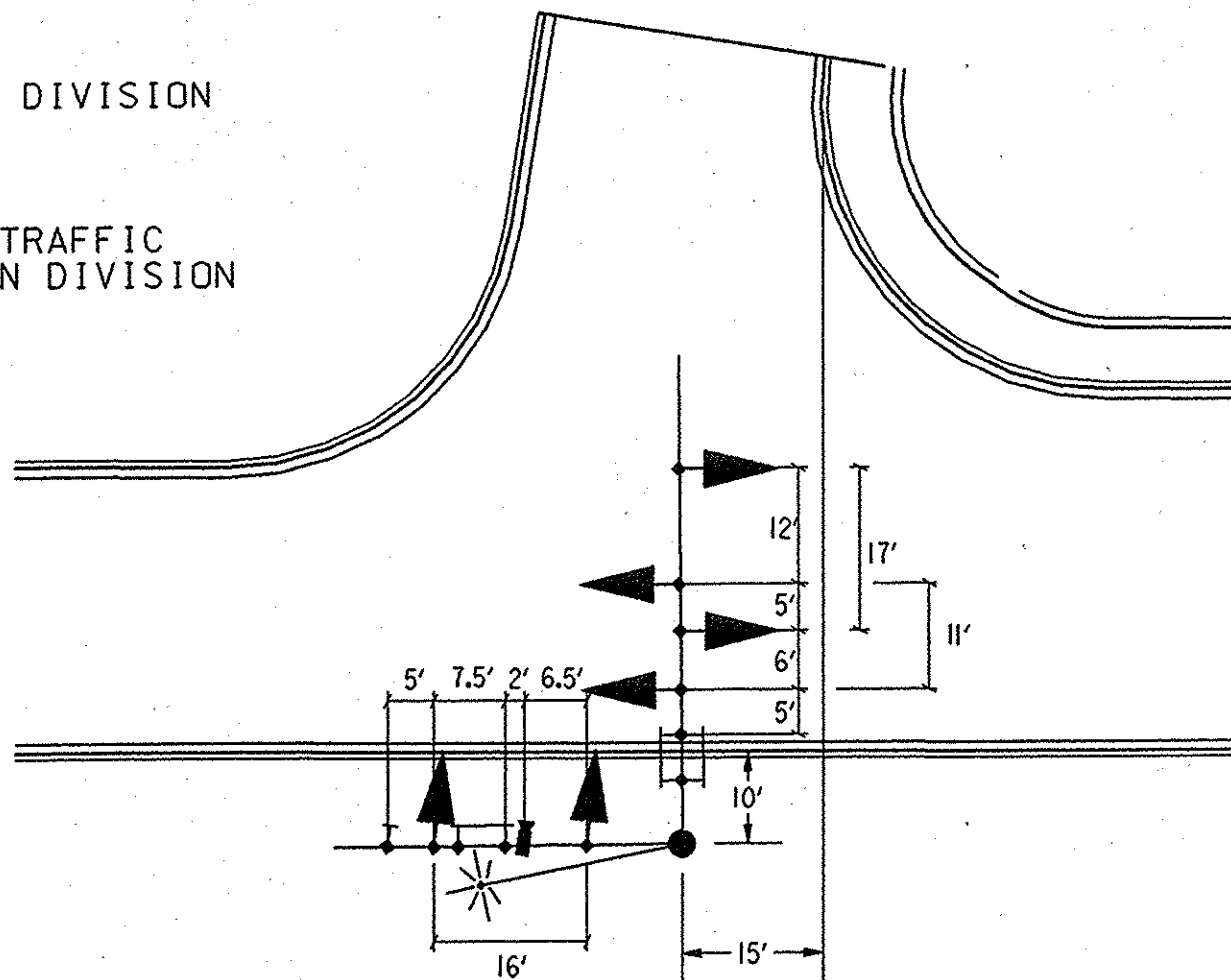
THE CONTACT PERSONS FOR
OFFICE OF TRAFFIC AND SAFETY:

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATION SECTION
PHONE: 410-787-7652

MR. ROBERT SNYDER
ASST. CHIEF,
TRAFFIC OPERATION DIVISION
410-787-7631

MR. JAY THAKER
PROJECT MANAGER, TRAFFIC
ENGINEERING DESIGN DIVISION
410-582-5682

DIMENSION DETAIL



EQUIPMENT LIST "B"

CAT. CODE	QUANTITY	DESCRIPTION
203030	2 CY	TEST PIT EXCAVATION
801004	7 CY	CONCRETE FOR SIGNAL FOUNDATION
805125	35 LF	2" SCHEDULE 80 PVC CONDUIT-TRENCHED
805135	300 LF	3" SCHEDULE 80 PVC CONDUIT-TRENCHED
805140	50 LF	4" SCHEDULE 80 PVC CONDUIT-TRENCHED
805150	160 LF	3" SCHEDULE 80 PVC CONDUIT-SLOTTED
807202	1 EA	METERED SERVICE PEDESTAL
810010	45 LF	ELEC CABLE - 1 CONDUCTOR NO. 4 AWG-THHN/THWN
810601	2 EA	NON-INVASIVE PROBE WITH 500' LEAD-IN CABLE
811001	6 EA	FURNISH & INSTALL ELECTRICAL HANDHOLE
813015	16 SF	INSTALL SHEET ALUMINUM SIGN
816001	1 EA	VIDEO DETECTOR CAMERA
816005	1 EA	CONTROL CABLE, 250', VIDEO DETECTOR CAMERA TO CONT.
818021	1 EA	STEEL POLE WITH TWIN 50' MAST ARMS
831010	1 EA	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
832020	50 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
837001	4 EA	GROUND ROD (3/4" DIA X 10' LENGTH)
860272	18 EA	12" LED SIGNAL HEAD SECTION
860292	2 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
861107	70 LF	ELECTRICAL CABLE 5 - CONDUCTOR NO. 14 AWG
861108	260 LF	ELECTRICAL CABLE 7 - CONDUCTOR NO. 14 AWG
861116	80 LF	ELECTRICAL CABLE 2 - CONDUCTOR NO. 12 AWG TRAY CABLE
866104	1 EA	20' LIGHTING ARM ON SIGNAL STRUCTURE
871202	1 EA	INSTALL CONTROLLER AND CABINET-BASE MOUNT

EQUIPMENT LIST "C"

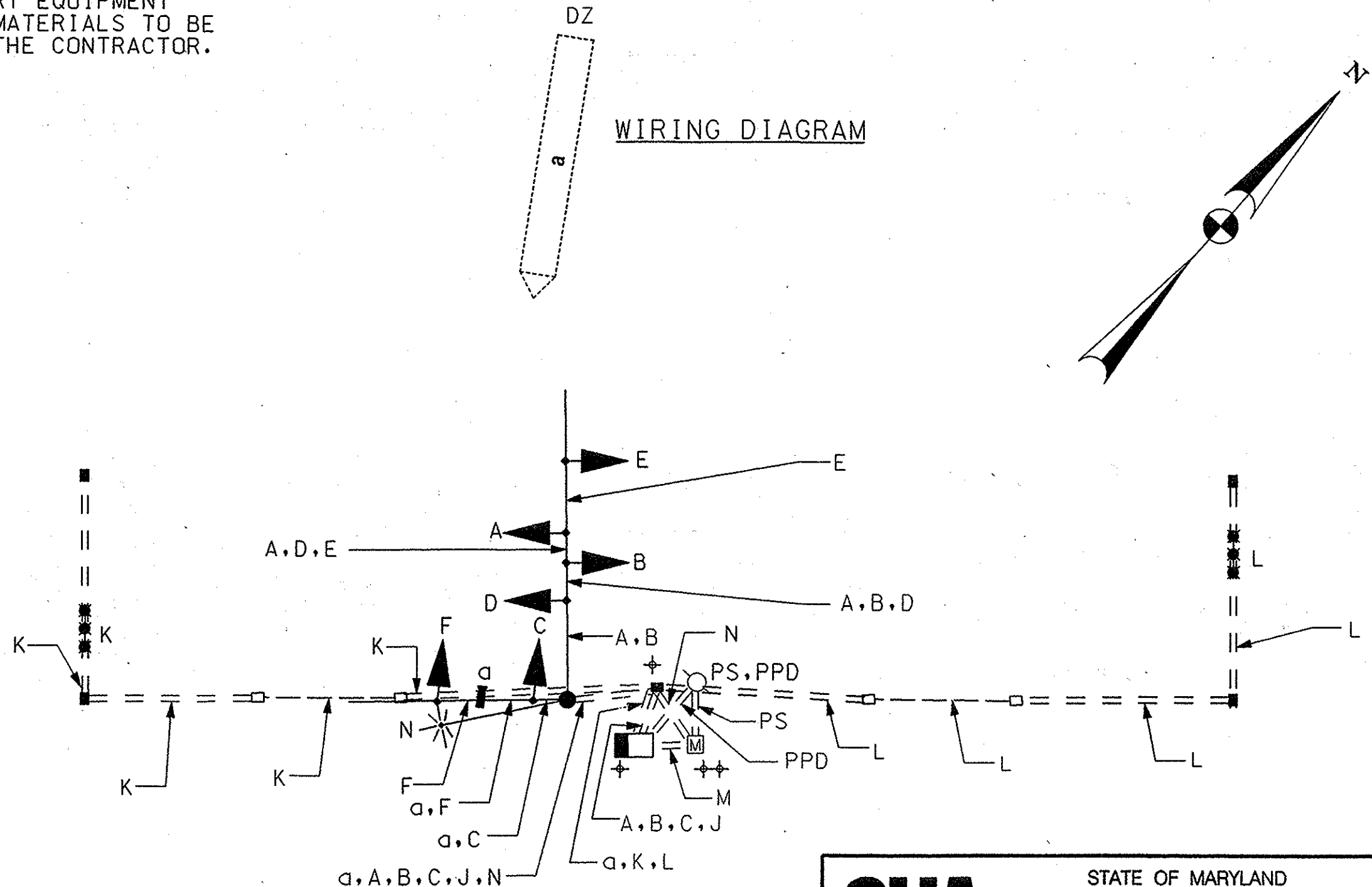
C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6
	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2 AND 6	G	G	G	G	R	R
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	G	G
PHASE 4 CHANGE	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

WIRING DIAGRAM

WIRING KEY	
A B C	7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
D E F	5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
a	VIDEO DETECTION CABLE WITH 250' LEAD
J	1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
K L	NON-INVASIVE PROBE 500' LEAD IN
M	(3 WIRES) 1 CONDUCTOR ELECTRICAL CABLE NO. 4 AWG
N	2 CONDUCTOR #12 TRAY CABLE
PS	PROPOSED UNDERGROUND SERVICE FEED
PPD	PROPOSED UNDERGROUND PHONE DROP
+	GROUND ROD
M	METERED SERVICE PEDESTAL



SHA		STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 7 (PHILADELPHIA RD) AND SELING AVE	
GENERAL INFORMATION SHEET			
SCALE 1" = 20'		DATE 08/4/06	CONTRACT NO. BA6885185
DESIGNED BY AJM	COUNTY BALTIMORE		
DRAWN BY SJW	LOGMILE 0300700119		
CHECKED BY PAT	T.I.M.S. NO. F189		
F.A.P. NO.	TOD NO.		
DRAWING NO. TS-1158J SG-6 OF 9		SHEET NO. 167 OF	